

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 07043658
PUBLICATION DATE : 14-02-95

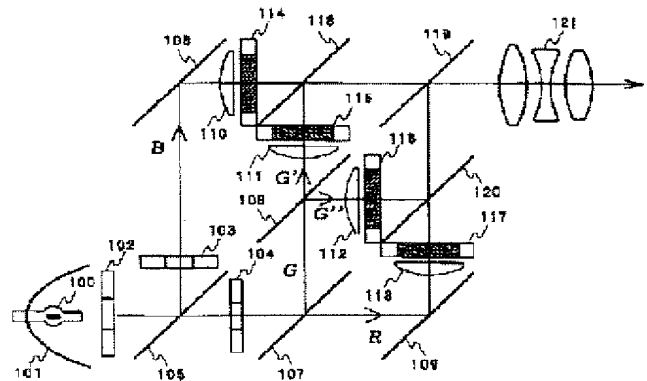
APPLICATION DATE : 26-07-93
APPLICATION NUMBER : 05184138

APPLICANT : SEIKO EPSON CORP;

INVENTOR : NAKAYAMA TADAAKI;

INT.CL. : G02F 1/13 G02F 1/1347 H04N 9/31

TITLE : PROJECTION DISPLAY DEVICE



ABSTRACT : PURPOSE: To provide a projection display device with which high resolution and bright high picture quality is attained even using a liquid crystal projector using a small-sized liquid crystal pannel by using four sheets of liquid crystal pannels and inputting a video signal for green to two sheets of them.

CONSTITUTION: A luminous flux outgoing from a lighting device is made incident on a dichroic mirror 105 of blue reflection first of all to be separated into a reflected blue light B and a transmitting yellow light. The blue light B is reflected by a reflection mirror 106 to be made incident on a condenser lens 110 and the liquid crystal panel 114. On the other hand, the yellow light is made incident on the dichroic mirror 107 to be separated into the a reflected green light G and a transmitting red light R. The green light G is separated into a first green light G' and a second green light G'' by the dichroic mirror 108, which are made incident on the condenser lenses 111, 112 and the liquid crystal panels 115, 116 and modulated respectively. Video information corresponding to the green light is inputted to the liquid crystal panels 115, 116, and nearly the same optical images are formed respectively. The color lights R, G', G'', B are synthesized into one through four sheets of liquid crystal panels 114-117.

COPYRIGHT: (C)1995,JPO